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Dear Professor Lederberg,

thank you very much for your kind memo dated May 24,1987, and the reprints added. It dedicated a great honour to us.

With pleasure we learnt from your paper already published in 1958, in which you discuss the need of dehydrogenated organic states, although in a cosmic environment with a superfluence of H, that you were aware of all our today's problems so early.

Nowadays laboratory simulations show that the solar (uv. and protons) and cosmic radiation may process ices rich in H (CH $_4$ , H $_2$ 0, NH $_3$ ) with the result that H $_2$  (and some H $_2$ 0) is driven out very effectively.

We will be happy to send you the latest re- and pre-prints on these items as soon as they are available.

Yours sincerely,

(F.R. Krueger)

(J. Kissel